

Docket No. 208954US2RD CONT

IN RE APPLICATION OF: Hideaki FUKUZAWA, et al.

SERIAL NO: 09/973,235

FILED: October 10, 2001

FOR: MAGNETORESISTANCE EFFECT ELEMENT, MAGNETIC HEAD, MAGNETIC HEAD ASSEMBLY,  
MAGNETIC STORAGE SYSTEM



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ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Transmitted herewith is a **Supplemental Preliminary Amendment** in the above-identified application.

- ☐ No additional fee is required
- ☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.
- ☒ Additional documents filed herewith: Marked-Up Copy

The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	12	MINUS	20	0	× \$18 =	\$0.00
INDEPENDENT	8	MINUS	3	5	× \$84 =	\$420.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$280 =	\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$420.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00
		TOTAL				\$420.00

☒ A check in the amount of **\$420.00** is attached.

☒ Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

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208954US-2RD CONT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF :  
HIDEAKI FUKUZAWA ET AL : ATTN: APPLICATION DIVISION  
SERIAL NO: 09/973,235 :  
FILED: OCTOBER 10, 2001 :  
FOR: MAGNETORESISTANCE EFFECT  
ELEMENT, MAGNETIC HEAD,  
MAGNETIC HEAD ASSEMBLY,  
MAGNETIC STORAGE SYSTEM

SUPPLEMENTAL PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Prior to the examination on the merits, please amend this application as follows:

IN THE CLAIMS

Please cancel Claims 1-28 and 34-36 without prejudice.

The following is a clean copy of Claims 29-33 with marked-up copies attached:

29. (Amended) A magnetoresistance effect element, comprising:

a magnetoresistance effect film including,

a nonmagnetic spacer layer, and

first and second ferromagnetic layers separated by the nonmagnetic spacer layer, a magnetization direction of the first ferromagnetic layer being at an angle relative to a magnetization direction of the second ferromagnetic layer at zero applied magnetic field, the second ferromagnetic layer comprising first and second

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